

## **ABSTRACT**

### **FAULT MONITORING SYSTEM**

A fault monitoring system comprises a fault detection mechanism to determine the status of a parameter to be monitored. An integrator counts in one direction when a fault in the measurement system is detected and counts in an opposite direction in the absence of fault detection. A threshold detector generates a hard fault indication when the integrator count reaches a threshold value, and an integrator count monitor generates information indicative of the state of the integrator count when below the threshold value thereby providing an indication of the progression of the fault.

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